

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Cancelled)
2. (Currently Amended) ~~Process according to Claim 1, characterised in~~
~~that~~ A process according to claim 7, wherein the microreactor is a miniaturized miniaturised
flow reactor.
3. (Currently Amended) ~~Process according to Claim 1, characterised in~~
~~that~~ A process according to claim 7, wherein the microreactor is a static micromixer.
4. (Currently Amended) ~~Process according to Claim 1, characterized in~~
~~that the~~ A process for brominating an organic compound, comprising mixing an organic
compound in liquid or dissolved form with a brominating reagent in liquid or dissolved form,
optionally in the presence of a catalyst in liquid or dissolved form, in at least one microreactor
is connected to a capillary, preferably a heatable capillary, via an outlet, and reacting for a
residence time, and isolating the resultant brominated organic compound from the reaction
mixture.
5. (Currently Amended) ~~Process according to Claim 1, characterized in~~
~~that the volume of the microreactor is~~ A process for brominating an organic compound,
comprising mixing an organic compound in liquid or dissolved form with a brominating
reagent in liquid or dissolved form, optionally in the presence of a catalyst in liquid or
dissolved form, in at least one microreactor with a volume of $\leq 10 \mu\text{l}$, and reacting for a

residence time, and isolating the resultant brominated organic compound from the reaction mixture preferably $\leq 1 \mu\text{l}$.

6. (Currently Amended) ~~Process according to Claim 1, characterised in that~~ A process according to claim 7, wherein the microreactor is heatable.

7. (Currently Amended) ~~Process according to Claim 1, characterized in that the microreactor~~ A process for brominating an organic compound, comprising mixing an organic compound in liquid or dissolved form with a brominating reagent in liquid or dissolved form, optionally in the presence of a catalyst in liquid or dissolved form, in at least one microreactor which has channels having a diameter of from 10 to 1000 μm , and reacting for a residence time, and isolating the resultant brominated organic compound from the reaction mixture preferably from 20 to 800 μm , particularly preferably from 30 μm to 400 μm .

8. (Currently Amended) ~~Process according to Claim 1, characterised in that~~ A process according to claim 7, wherein the resultant ~~reaction~~ mixture flows through the microreactor at a flow rate of from 0.1 $\mu\text{m}/\text{min}$ to 10 ml/min , preferably from 1 $\mu\text{l}/\text{min}$ to 1 ml/min .

9. (Currently Amended) ~~Process according to Claim 1, characterised in that~~ A process according to claim 7, wherein the residence time of the resultant mixture ~~compounds employed~~ in the microreactor, ~~where appropriate~~ or in the microreactor and the capillaries, is ≤ 3 hours, preferably ≤ 1 hour.

10. (Currently Amended) ~~Process according to Claim 1, characterised in that it~~ A process according to claim 7, which is carried out at a temperature of from -90 to $+150^\circ\text{C}$, preferably from -20 to $+40^\circ\text{C}$, particularly preferably from -10 to $+20^\circ\text{C}$.

11. (Currently Amended) ~~Process according to Claim 1, characterised in that~~ A process according to claim 7, wherein the course of the reaction is monitored by chromatography, preferably gas chromatography, and optionally ~~where appropriate~~ regulated.

12. (Currently Amended) ~~Process according to Claim 1, characterised in that~~ A process according to claim 7, wherein the brominated compound product is isolated from the reaction mixture by extraction or precipitation.

13. (Currently Amended) ~~Process according to Claim 1, characterised in that~~ A process according to claim 7, wherein the brominating reagent employed is elemental bromine, dibromoisocyanuric acid, N-bromosuccinimide, hypobromous acid, organic hypobromites, preferably trifluoroacetyl hypobromite, N-bromoacetamide, N – bromophthalimide, pyridinium perbromide and/or dioxane dibromide.

14. (Currently Amended) ~~Process according to Claim 1, characterised in that the~~ A process according to claim 7, wherein a catalyst is present, which catalyst employed is iodine, a mineral acid acids, preferably sulphuric acid or nitric acid, and/or a Lewis acid acids, preferably aluminum halides, iron halides, zinc halides or antimony halides.

15. (Currently Amended) ~~Process according to Claim 1, characterised in that~~ A process according to claim 7, wherein between 0.1 and 100 mol% of, preferably between 1 and 10 mol%, of the catalyst is present are employed, based on the amount of organic compound employed.

16. (Cancelled)

17. (Cancelled)

18. (Cancelled)

19. (Cancelled)

20. (New) A process according to claim 4, wherein the capillary is heatable.

21. (New) A process according to claim 5, wherein the volume of the microreactor is $\leq 1 \mu\text{l}$.
22. (New) A process according to claim 7, wherein the channels have a diameter of 20 to $800\mu\text{m}$.
23. (New) A process according to claim 7, wherein the channels have a diameter of 30 to $400\mu\text{m}$.
24. (New) A process according to claim 7, wherein a catalyst is present, which catalyst is iodine, sulphuric acid, nitric acid, an aluminum halide, iron halide, zinc halide or antimony halide.
25. (New) A process according to claim 7, wherein the microreactor has a volume of $\leq 10 \mu\text{l}$ and/or is connected to a capillary via an outlet.